

Patent claims

1. Arrangement for the extracorporeal storage of organs according to the invention consisting at least of an organ perfusion chamber (1) with a
5 controllable temperature device (3) and an organ (2) disposed therein, with the organ (2) covered by an impermeable protective cover (21) and furthermore completely surrounded by a storage fluid (4),
characterized in that the storage fluid (4) is the dialysate which is component of a vital-state maintaining circuit (5) composed of a dialysate circuit (51) and a
10 perfusate circuit (52).
2. Arrangement as claimed in claim 1 characterized in that the organ perfusion chamber 1 is closed fluid-tight and pressure-tight.
- 15 3. Arrangement as claimed in claim 1 characterized in that the controllable temperature device (3) is executed as heating mat.
4. Arrangement as claimed in claim 1 characterized in that the controllable temperature device (3) is integrated in the wall of the organ perfusion
20 chamber (1).

Summary

The invention relates to an arrangement for extracorporeal storage of organs. Such arrangements artificially maintain or regenerate the vital functions of
5 organs, in which organs also comprise limbs and tissue lobes.

The arrangement for the extracorporeal storage of organs according to the invention consists at least of an organ perfusion chamber 1 with a controllable temperature device 3. Disposed in the organ perfusion chamber 1 is an organ 2 which is covered by a protective cover 21. The organ 2
10 protected in this manner is maintained in a completely floating state in the storage fluid 4. The invention is characterized essentially in that the storage fluid 4 is a dialysate, which is a component of the vital-state maintaining circuit 5.

15 Fig. 1